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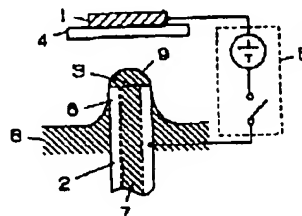
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(54) INK JET RECORDER

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a small and simple ink jet recorder which can form a small diameter dot stably even when a medium is separated sufficiently from a head as compared with a conventional recorder.

SOLUTION: In the initial state, a protruding ink meniscus 9 is formed, at the forward end part of a nozzle 6, of an ink 3 fed through a first ink supply path 7. An acceleration electrode 1 is arranged on the back of a recording medium 4 and a voltage is applied from a recording signal generating section 5 between the acceleration electrode 1 and a signal electrode 2. Consequently, the ink meniscus 9 is sucked in conical shape toward the recording medium 4. At the same time, the ink 3 is fed from a second ink supply 8 to the forward end part of the nozzle 6 along the wall face thereof and the ink meniscus 9 increases the height furthermore and eventually touches the recording medium 4 at the forward end of the cone, thus performing the recording. According to the arrangement, a wide interval can be ensured between the nozzle 6 and the recording medium 4.



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